Two doctoral student positions, Physics Institute IIIA, RWTH Aachen University

The research program of the institute is focused on experimental particle physics and astroparticle physics at the highest energies. We participate in the upgrade programs of the CMS experiment at the LHC collider and the Pierre-Augier-Observatory. The upgrades are driven by future physics needs; important contributions will come from our mechanical and electronics workshops.

The applicant must hold a Masters degree. Experience with particle physics detectors at colliders or with electronics is beneficial but not mandatory. The candidate(s) should play a key role in detector R&D for the phase-II upgrade of the CMS muon system. The upgrade concerns gaseous detection technologies (large-scale GEM and DT detectors) along with the electronics for their readout and detector controls within the CMS experiment.

The applicant will contribute to the detector research and development for the CMS muon upgrade. A team-oriented work style is expected as the work will be performed in an international collaboration. Frequent travels to CERN are necessary.

The position is for 2 years initially with a possible extension of 1 year and is to be filled as soon as possible. This is a part-time position (50% of the standard weekly hours for full-time employees). The successful candidate has the opportunity to pursue a doctoral degree.

The salary corresponds to level TV-L E13. RWTH Aachen University is certified as a "Family-Friendly University". We particularly welcome and encourage applications from women, disabled persons and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

For further details, please contact Prof. Dr. Thomas Hebbeker (hebbeker@physik.rwth-aachen.de)

The deadline for the application is April 30, 2016.

Further information can be found under this link: http://web-p.zhv.rwth-aachen.de/mainzhv.php?scriptid=job&param=vorschau&nr=17193&typ=engl